

Engineering Interpretations

Building Site Development

Soil properties influence development of building sites, including the selection of the site, the design of the structure, construction, post construction performance, and maintenance. Soil limitation ratings of slight, moderate, and severe are given for shallow excavations, dwellings with and without basements, small commercial buildings, local roads and streets, and lawns, landscaping, and golf fairways.

Shallow Excavations

Shallow excavations are trenches or holes dug in the soil to a maximum depth of 5 or 6 feet. They are used for pipelines, sewer lines, telephone and power transmission lines, basements, open ditches, and cemeteries. The ratings are based on the soil properties that influence ease of digging and resistance to sloughing.

Dwellings With or Without Basements

These are single-family houses of three stories or less. The foundation is assumed to be spread footings of reinforced concrete built on undisturbed soil at a depth of 2 feet or the depth of maximum frost penetration, whichever is deeper, for houses without basements, or at a depth of 7 feet if a basement is constructed. The ratings are based on properties affecting soil strength and settlement under a load, and those that affect excavation and construction costs.

Small Commercial Buildings

Limitation ratings are given for the undisturbed soil on which small commercial buildings of less than three stories without basements are built. The foundation is assumed to be placed on spread footings of reinforced concrete at a depth of 2 feet or the depth of maximum frost penetration, whichever is deeper.

Local Roads and Streets

Limitation ratings are given for the use of soils for construction of improved local roads and streets that have all-weather surfacing, commonly of asphalt, gravel with binder in it, or concrete, and that are expected to carry automobile traffic all year. These roads and streets are graded to shed water, and conventional drainage measures are provided. With the probable exception of the hard surface, roads and streets are built mainly from the soil at hand.

Lawns, Landscaping, and Golf Fairways

The soils are rated for their use in establishing and maintaining turf for lawns and golf fairways and ornamental trees and shrubs for residential type landscaping. The ratings are based on the use of soil material at the location with some land smoothing. Irrigation may or may not be needed and is not a criterion in rating. Traps, trees, roughs, and greens are not considered as part of the golf fairway. The properties considered are those listed that affect plant growth and trafficability after vegetation is established.

This subsection includes:

- **(a) Building Site Development**

Douglas County, Missouri: Detailed Soil Map Legend

Building Site Development

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| Map symbol and soil name | Dwellings without basements | | Dwellings with basements | | Small commercial buildings | | Local roads and streets | | Lawns and landscaping | |
|--------------------------|--|-------|--|-------|--|-------|--|-------|---|-------|
| | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 70022: Tonti----- | Moderately limited ~wetness (moderately limited) | 0.59 | Very limited ~wetness (very limited) ~shrink-swell (slightly limited) | 1.00 | Limited ~slope (limited) ~wetness (slightly limited) | 0.68 | Slightly limited ~wetness (slightly limited) | 0.28 | Slightly limited ~too acid (slightly limited) ~wetness (slightly limited) | 0.30 |
| 70025: Branson----- | Not limited | | Not limited | | Not limited | | Not limited | | Not limited | |
| Splitlimb----- | Limited ~wetness (limited) ~shrink-swell (moderately limited) | 0.79 | Very limited ~wetness (very limited) ~shrink-swell (moderately limited) | 1.00 | Moderately limited ~wetness (moderately limited) ~shrink-swell (moderately limited) | 0.45 | Very limited ~low strength (very limited) ~wetness (moderately limited) ~shrink-swell (moderately limited) | 1.00 | Moderately limited ~wetness (moderately limited) | 0.45 |
| 70026: Tonti----- | Moderately limited ~wetness (moderately limited) | 0.59 | Very limited ~wetness (very limited) ~shrink-swell (slightly limited) | 1.00 | Slightly limited ~wetness (slightly limited) | 0.28 | Slightly limited ~wetness (slightly limited) | 0.28 | Slightly limited ~too acid (slightly limited) ~wetness (slightly limited) | 0.30 |
| 73000: Pomme----- | Not limited | | Not limited | | Slightly limited ~slope (slightly limited) | 0.15 | Not limited | | Not limited | |
| 73013: Lowassie----- | Very limited ~wetness (very limited) ~ponded (very limited) ~shrink-swell (very limited) | 1.00 | Very limited ~ponded (very limited) ~wetness (very limited) ~shrink-swell (slightly limited) | 1.00 | Very limited ~ponded (wetness) (very limited) ~wetness (very limited) ~shrink-swell (very limited) | 1.00 | Very limited ~low strength (very limited) ~ponded (wetness) (very limited) ~wetness (very limited) | 1.00 | Very limited ~wetness (very limited) ~ponded (wetness) (very limited) | 1.00 |

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| Map symbol and soil name | Dwellings without basements | | Dwellings with basements | | Small commercial buildings | | Local roads and streets | | Lawns and landscaping | |
|--------------------------|---|----------------------------------|--|--|---|----------------------|---|----------------------|---|----------------------------------|
| | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 73017: Bendavis----- | Very limited ~slope (very limited) ~wetness (moderately limited) ~depth to bedrock (slightly limited) | 1.00 0.45 0.25 | Very limited ~hard bedrock <40" (very limited) ~slope (very limited) ~wetness (very limited) (very limited) | 1.00 1.00 1.00 1.00 | Very limited ~slope (very limited) ~depth to bedrock (slightly limited) | 1.00 0.25 | Very limited ~slope (very limited) ~depth to bedrock (slightly limited) | 1.00 0.25 | Very limited ~slope (very limited) ~small stones (very limited) ~too acid (limited) | 1.00 1.00 0.84 |
| Poynor----- | Very limited ~slope (very limited) | 1.00 | Very limited ~slope (very limited) ~shrink-swell (slightly limited) | 1.00 0.14 | Very limited ~slope (very limited) | 1.00 | Very limited ~slope (very limited) | 1.00 | Very limited ~slope (very limited) ~small stones (very limited) ~too acid (limited) | 1.00 1.00 0.60 |
| 73019: Poynor----- | Not limited | | Slightly limited ~shrink-swell (slightly limited) | 0.14 | Limited ~slope (limited) | 0.68 | Not limited | | Very limited ~small stones (very limited) ~droughty (moderately limited) ~too acid (slightly limited) | 1.00 0.57 0.30 |
| 73021: Poynor----- | Very limited ~slope (very limited) | 1.00 | Very limited ~slope (very limited) ~shrink-swell (slightly limited) | 1.00 0.14 | Very limited ~slope (very limited) | 1.00 | Very limited ~slope (very limited) | 1.00 | Very limited ~slope (very limited) ~small stones (very limited) ~too acid (limited) | 1.00 1.00 0.60 |

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| Map symbol and soil name | Dwellings without basements | | Dwellings with basements | | Small commercial buildings | | Local roads and streets | | Lawns and landscaping | |
|--------------------------|--|----------------------|---|----------------------|---|--------------|---|--------------|--|----------------------|
| | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 73023: | | | | | | | | | | |
| Mano----- | Moderately limited ~wetness (moderately limited) | 0.45 | Very limited ~wetness (very limited) ~shrink-swell (moderately limited) | 1.00 0.50 | Moderately limited ~slope (moderately limited) | 0.45 | Not limited | | Moderately limited ~small stones (moderately limited) ~too acid (slightly limited) | 0.48 0.30 |
| Ocie----- | Very limited ~shrink-swell (very limited) ~wetness (moderately limited) | 1.00 0.45 | Very limited ~wetness (very limited) ~shrink-swell (limited) ~depth to bedrock (moderately limited) | 1.00 0.71 0.42 | Very limited ~shrink-swell (very limited) ~slope (moderately limited) | 1.00 0.45 | Very limited ~low strength (very limited) ~shrink-swell (very limited) | 1.00 | Very limited ~small stones (very limited) | 1.00 |
| 73024: | | | | | | | | | | |
| Mano----- | Limited ~slope (limited) ~wetness (moderately limited) | 0.76 0.45 | Very limited ~wetness (very limited) ~slope (limited) ~shrink-swell (moderately limited) | 1.00 0.76 0.50 | Very limited ~slope (very limited) | 1.00 | Limited ~slope (limited) | 0.63 | Very limited ~small stones (limited) ~slope (limited) ~too acid (slightly limited) | 1.00 0.63 0.30 |
| Ocie----- | Very limited ~shrink-swell (very limited) ~slope (limited) ~wetness (moderately limited) | 1.00 0.76 0.45 | Very limited ~wetness (very limited) ~slope (limited) ~shrink-swell (limited) | 1.00 0.76 0.71 | Very limited ~slope (very limited) ~shrink-swell (very limited) | 1.00 | Very limited ~low strength (very limited) ~shrink-swell (very limited) ~slope (limited) | 1.00 0.63 | Very limited ~small stones (very limited) ~slope (limited) | 1.00 |

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| Map symbol and soil name | Dwellings without basements | | Dwellings with basements | | Small commercial buildings | | Local roads and streets | | Lawns and landscaping | |
|--------------------------|--|----------------------------------|---|----------------------------------|--|----------------------------------|---|----------------------------------|---|--|
| | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 73032: Gatewood----- | Very limited ~shrink-swell (very limited) ~depth to bedrock (moderately limited) ~wetness (moderately limited) | 1.00 0.53 0.51 | Very limited ~hard bedrock <40" (very limited) ~wetness (very limited) ~shrink-swell (very limited) | 1.00 1.00 1.00 | Very limited ~shrink-swell (very limited) ~slope (very limited) ~depth to bedrock (moderately limited) | 1.00 1.00 0.53 | Very limited ~low strength (very limited) ~shrink-swell (very limited) ~depth to bedrock (moderately limited) | 1.00 1.00 0.53 | Very limited ~small stones (very limited) ~depth to bedrock (moderately limited) ~droughty (moderately limited) | 1.00 0.46 0.30 |
| 73033: Gatewood----- | Very limited ~shrink-swell (very limited) ~slope (very limited) ~depth to bedrock (moderately limited) | 1.00 1.00 0.53 | Very limited ~hard bedrock <40" (very limited) ~wetness (very limited) ~shrink-swell (very limited) | 1.00 1.00 1.00 | Very limited ~slope (very limited) ~shrink-swell (very limited) ~depth to bedrock (moderately limited) | 1.00 1.00 0.53 | Very limited ~low strength (very limited) ~slope (very limited) ~shrink-swell (very limited) | 1.00 1.00 1.00 | Very limited ~slope (very limited) ~small stones (very limited) ~depth to bedrock (moderately limited) | 1.00 1.00 0.46 |
| 73051: Winnipeg----- | Moderately limited ~shrink-swell (moderately limited) | 0.45 | Moderately limited ~shrink-swell (moderately limited) | 0.33 | Moderately limited ~shrink-swell (moderately limited) | 0.45 | Very limited ~low strength (very limited) ~shrink-swell (moderately limited) | 1.00 0.45 | Not limited | |
| 73059: Pomme----- | Not limited | | Not limited | | Not limited | | Not limited | | Not limited | |
| 73063: Bendavis----- | Moderately limited ~wetness (moderately limited) ~depth to bedrock (moderately limited) | 0.45 0.42 | Very limited ~hard bedrock <40" (very limited) ~wetness (very limited) | 1.00 1.00 | Moderately limited ~slope (moderately limited) ~depth to bedrock (moderately limited) | 0.45 0.42 | Moderately limited ~depth to bedrock (moderately limited) | 0.42 | Moderately limited ~small stones (moderately limited) ~too acid (slightly limited) ~depth to bedrock (slightly limited) | 0.33 0.30 0.27 |

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| Map symbol and soil name | Dwellings without basements | | Dwellings with basements | | Small commercial buildings | | Local roads and streets | | Lawns and landscaping | |
|------------------------------|--|------------------------------|--|------------------------------|---|------------------------------|--|------------------------------|---|------------------------------|
| | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 73063: (cont) Poynor----- | Not limited | | Slightly limited ~shrink-swell (slightly limited) | 0.14 | Moderately limited ~slope (moderately limited) | 0.45 | Not limited | | Very limited ~small stones (very limited) ~droughty (moderately limited) ~too acid (slightly limited) | 1.00 0.40 0.30 |
| 73068: Tick----- | Limited ~slope (limited) ~shrink-swell (moderately limited) | 0.76 0.45 | Limited ~slope (limited) ~shrink-swell (slightly limited) | 0.76 0.30 | Very limited ~slope (very limited) ~shrink-swell (moderately limited) | 1.00 0.45 | Very limited ~low strength (very limited) ~slope (limited) ~shrink-swell (moderately limited) | 1.00 0.63 0.45 | Limited ~slope (limited) ~too acid (moderately limited) | 0.63 0.36 |
| 73069: Tick----- | Very limited ~slope (very limited) ~shrink-swell (moderately limited) | 1.00 0.45 | Very limited ~slope (very limited) ~shrink-swell (slightly limited) | 1.00 0.30 | Very limited ~slope (very limited) ~shrink-swell (moderately limited) | 1.00 0.45 | Very limited ~low strength (very limited) ~slope (very limited) ~shrink-swell (moderately limited) | 1.00 1.00 0.45 | Very limited ~slope (very limited) ~small stones (very limited) ~too acid (moderately limited) | 1.00 1.00 0.36 |
| 73073: Scholten----- | Limited ~wetness (limited) ~slope (limited) ~shrink-swell (moderately limited) | 0.93 0.76 0.45 | Very limited ~wetness (very limited) ~slope (limited) ~shrink-swell (slightly limited) | 1.00 0.76 0.25 | Very limited ~slope (very limited) ~wetness (moderately limited) ~shrink-swell (moderately limited) | 1.00 0.56 0.45 | Limited ~slope (limited) ~wetness (moderately limited) ~shrink-swell (moderately limited) | 0.63 0.56 0.45 | Very limited ~small stones (very limited) ~droughty (limited) ~slope (limited) | 1.00 0.70 0.63 |

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| Map symbol and soil name | Dwellings without basements | | Dwellings with basements | | Small commercial buildings | | Local roads and streets | | Lawns and landscaping | |
|--------------------------|---|----------------------|---|----------------------|--|--------------|--|----------------------|--|----------------------|
| | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 73073: (cont) | | | | | | | | | | |
| Poynor----- | Limited ~slope (limited) | 0.76 | Limited ~slope (limited) ~shrink-swell (slightly limited) | 0.76 0.14 | Very limited ~slope (very limited) | 1.00 | Limited ~slope (limited) | 0.63 | Very limited ~small stones (very limited) ~droughty (limited) ~slope (limited) | 1.00 0.75 0.63 |
| 73076: | | | | | | | | | | |
| Mano----- | Very limited ~slope (very limited) ~wetness (moderately limited) | 1.00 0.45 | Very limited ~slope (very limited) ~wetness (very limited) ~shrink-swell (moderately limited) | 1.00 1.00 0.50 | Very limited ~slope (very limited) | 1.00 | Very limited ~slope (very limited) | 1.00 | Very limited ~slope (very limited) ~small stones (very limited) ~too acid (slightly limited) | 1.00 1.00 0.30 |
| Ocie----- | Very limited ~shrink-swell (very limited) ~slope (very limited) ~wetness (moderately limited) | 1.00 1.00 0.45 | Very limited ~slope (very limited) ~wetness (very limited) ~shrink-swell (limited) | 1.00 1.00 0.71 | Very limited ~slope (very limited) ~shrink-swell (very limited) | 1.00 1.00 | Very limited ~low strength (very limited) ~slope (very limited) ~shrink-swell (very limited) | 1.00 1.00 1.00 | Very limited ~slope (very limited) ~small stones (very limited) | 1.00 1.00 |
| 73121: | | | | | | | | | | |
| Scholten----- | Limited ~wetness (limited) | 0.93 | Very limited ~wetness (very limited) | 1.00 | Moderately limited ~wetness (moderately limited) ~slope (slightly limited) | 0.56 0.15 | Moderately limited ~wetness (moderately limited) | 0.56 | Limited ~droughty (limited) ~small stones (limited) ~wetness (moderately limited) | 0.92 0.73 0.56 |

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| Map symbol and soil name | Dwellings without basements | | Dwellings with basements | | Small commercial buildings | | Local roads and streets | | Lawns and landscaping | |
|--------------------------|------------------------------------|-------|------------------------------------|-------|------------------------------------|-------|------------------------------------|-------|------------------------------------|-------|
| | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 73121: (cont) | | | | | | | | | | |
| Tonti----- | Moderately limited | | Very limited | | Slightly limited | | Slightly limited | | Slightly limited | |
| | ~wetness | 0.59 | ~wetness | 1.00 | ~wetness | 0.28 | ~wetness | 0.28 | ~too acid | 0.30 |
| | (moderately limited) | | (very limited) | | (slightly limited) | | (slightly limited) | | (slightly limited) | |
| | | | ~shrink-swell | 0.04 | ~slope | 0.15 | | | ~wetness | 0.28 |
| | | | (slightly limited) | | (slightly limited) | | | | (slightly limited) | |
| 73176: | | | | | | | | | | |
| Bendavis----- | Limited | | Very limited | | Very limited | | Limited | | Very limited | |
| | ~slope | 0.76 | ~hard bedrock <40" | 1.00 | ~slope | 1.00 | ~slope | 0.63 | ~small stones | 1.00 |
| | (limited) | | (very limited) | | (very limited) | | (limited) | | (very limited) | |
| | ~depth to bedrock | 0.59 | ~wetness | 1.00 | ~depth to bedrock | 0.59 | ~depth to bedrock | 0.59 | ~slope | 0.63 |
| | (moderately limited) | | (very limited) | | (moderately limited) | | (moderately limited) | | (limited) | |
| | ~wetness | 0.45 | ~slope | 0.76 | | | | | ~depth to bedrock | 0.58 |
| | (moderately limited) | | (limited) | | | | | | (moderately limited) | |
| Poynor----- | Limited | | Limited | | Very limited | | Very limited | | Very limited | |
| | ~slope | 0.76 | ~slope | 0.76 | ~slope | 1.00 | ~low strength | 1.00 | ~small stones | 1.00 |
| | (limited) | | (limited) | | (very limited) | | (very limited) | | (limited) | |
| | ~shrink-swell | 0.45 | ~shrink-swell | 0.32 | ~shrink-swell | 0.45 | ~slope | 0.63 | ~slope | 0.63 |
| | (moderately limited) | | (moderately limited) | | (moderately limited) | | (limited) | | (limited) | |
| | | | | | | | ~shrink-swell | 0.45 | ~too acid | 0.30 |
| | | | | | | | (moderately limited) | | (slightly limited) | |
| 73198: | | | | | | | | | | |
| Gressy----- | Not limited | | Slightly limited | | Slightly limited | | Slightly limited | | Not limited | |
| | | | ~shrink-swell | 0.18 | ~slope | 0.15 | ~low strength | 0.22 | | |
| | | | (slightly limited) | | (slightly limited) | | (slightly limited) | | | |
| Viraton----- | Moderately limited | | Very limited | | Slightly limited | | Slightly limited | | Moderately limited | |
| | ~wetness | 0.59 | ~wetness | 1.00 | ~wetness | 0.28 | ~wetness | 0.28 | ~too acid | 0.42 |
| | (moderately limited) | | (very limited) | | (slightly limited) | | (slightly limited) | | (moderately limited) | |
| | | | ~shrink-swell | 0.20 | ~slope | 0.15 | | | ~wetness | 0.28 |
| | | | (slightly limited) | | (slightly limited) | | | | (slightly limited) | |

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| Map symbol and soil name | Dwellings without basements | | Dwellings with basements | | Small commercial buildings | | Local roads and streets | | Lawns and landscaping | |
|--------------------------|--|----------------------------------|--|----------------------------------|--|----------------------------------|--|----------------------------------|---|----------------------------------|
| | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 73199: Moko----- | Very limited ~hard bedrock <20" (very limited) ~large stones (limited) ~slope (moderately limited) | 1.00 0.86 0.45 | Very limited ~hard bedrock <40" (very limited) ~large stones (limited) ~slope (moderately limited) | 1.00 0.86 0.45 | Very limited ~hard bedrock <20" (very limited) ~slope (very limited) ~large stones (limited) | 1.00 1.00 0.86 | Very limited ~hard bedrock <20" (very limited) ~large stones (limited) ~low strength (slightly limited) | 1.00 0.86 0.22 | Very limited ~shallow to bedrock (very limited) ~droughty (very limited) ~small stones (very limited) | 1.00 1.00 1.00 |
| Rock outcrop--- | Not rated | | Not rated | | Not rated | | Not rated | | Not rated | |
| 73220: Poynor----- | Limited ~slope (limited) | 0.76 | Limited ~slope (limited) ~shrink-swell (slightly limited) | 0.76 0.14 | Very limited ~slope (very limited) | 1.00 | Limited ~slope (limited) | 0.63 | Very limited ~small stones (very limited) ~slope (limited) ~droughty (moderately limited) | 1.00 0.63 0.57 |
| 73222: Splitlimb----- | Very limited ~ponded (very limited) ~wetness (limited) ~shrink-swell (moderately limited) | 1.00 0.85 0.45 | Very limited ~ponded (very limited) ~wetness (very limited) ~shrink-swell (moderately limited) | 1.00 1.00 0.45 | Very limited ~ponded (wetness) (very limited) ~wetness (moderately limited) ~shrink-swell (moderately limited) | 1.00 0.49 0.45 | Very limited ~low strength (very limited) ~ponded (wetness) (very limited) ~wetness (moderately limited) | 1.00 1.00 0.49 | Very limited ~ponded (wetness) (very limited) ~wetness (moderately limited) | 1.00 0.49 |
| 73223: Coulstone----- | Very limited ~slope (very limited) ~large stones (limited) | 1.00 0.97 | Very limited ~slope (very limited) ~large stones (limited) | 1.00 0.97 | Very limited ~slope (very limited) ~large stones (limited) | 1.00 0.97 | Very limited ~slope (very limited) ~large stones (limited) | 1.00 0.97 | Very limited ~large stones >30% (very limited) ~slope (very limited) ~droughty (very limited) | 1.00 1.00 1.00 |

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| Map symbol and soil name | Dwellings without basements | | Dwellings with basements | | Small commercial buildings | | Local roads and streets | | Lawns and landscaping | |
|--------------------------|------------------------------------|-------|------------------------------------|-------|------------------------------------|-------|------------------------------------|-------|------------------------------------|-------|
| | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 73223: (cont) | | | | | | | | | | |
| Bender----- | Very limited | | Very limited | | Very limited | | Very limited | | Very limited | |
| | ~slope | 1.00 | ~hard bedrock <40" | 1.00 | ~slope | 1.00 | ~slope | 1.00 | ~slope | 1.00 |
| | (very limited) | | (very limited) | | (very limited) | | (very limited) | | (very limited) | |
| | ~large stones | 0.71 | ~slope | 1.00 | ~large stones | 0.71 | ~large stones | 0.71 | ~droughty | 1.00 |
| | (limited) | | (very limited) | | (limited) | | (limited) | | (very limited) | |
| | ~depth to bedrock | 0.46 | ~large stones | 0.71 | ~depth to bedrock | 0.46 | ~depth to bedrock | 0.46 | ~large stones >30% | 1.00 |
| | (moderately limited) | | (limited) | | (moderately limited) | | (moderately limited) | | (very limited) | |
| 73224: | | | | | | | | | | |
| Moko----- | Very limited | | Very limited | | Very limited | | Very limited | | Very limited | |
| | ~hard bedrock <20" | 1.00 | ~hard bedrock <40" | 1.00 | ~hard bedrock <20" | 1.00 | ~hard bedrock <20" | 1.00 | ~slope | 1.00 |
| | (very limited) | | (very limited) | | (very limited) | | (very limited) | | (very limited) | |
| | ~slope | 1.00 | ~slope | 1.00 | ~slope | 1.00 | ~slope | 1.00 | ~shallow to bedrock | 1.00 |
| | (very limited) | | (very limited) | | (very limited) | | (very limited) | | (very limited) | |
| | ~large stones | 0.86 | ~large stones | 0.86 | ~large stones | 0.86 | ~large stones | 0.86 | ~droughty | 1.00 |
| | (limited) | | (limited) | | (limited) | | (limited) | | (very limited) | |
| Rock outcrop--- | Not rated | | Not rated | | Not rated | | Not rated | | Not rated | |
| 73225: | | | | | | | | | | |
| Ocie----- | Very limited | | Very limited | | Very limited | | Very limited | | Moderately limited | |
| | ~shrink-swell | 1.00 | ~wetness | 1.00 | ~shrink-swell | 1.00 | ~low strength | 1.00 | ~small stones | 0.48 |
| | (very limited) | | (very limited) | | (very limited) | | (very limited) | | (moderately limited) | |
| | ~wetness | 0.45 | ~shrink-swell | 0.71 | ~slope | 0.68 | ~shrink-swell | 1.00 | | |
| | (moderately limited) | | (limited) | | (limited) | | (very limited) | | | |
| | | | ~depth to bedrock | 0.42 | | | | | | |
| | | | (moderately limited) | | | | | | | |
| Gatewood----- | Very limited | | Very limited | | Very limited | | Very limited | | Very limited | |
| | ~shrink-swell | 1.00 | ~hard bedrock <40" | 1.00 | ~shrink-swell | 1.00 | ~low strength | 1.00 | ~small stones | 1.00 |
| | (very limited) | | (very limited) | | (very limited) | | (very limited) | | (very limited) | |
| | ~depth to bedrock | 0.53 | ~wetness | 1.00 | ~slope | 0.68 | ~shrink-swell | 1.00 | ~depth to bedrock | 0.46 |
| | (moderately limited) | | (very limited) | | (limited) | | (very limited) | | (moderately limited) | |
| | ~wetness | 0.51 | ~shrink-swell | 1.00 | ~depth to bedrock | 0.53 | ~depth to bedrock | 0.53 | ~droughty | 0.30 |
| | (moderately limited) | | (very limited) | | (moderately limited) | | (moderately limited) | | (moderately limited) | |

Douglas County, Missouri: Detailed Soil Map Legend

Building Site Development

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| Map symbol and soil name | Dwellings without basements | | Dwellings with basements | | Small commercial buildings | | Local roads and streets | | Lawns and landscaping | |
|--------------------------|------------------------------------|-------|------------------------------------|-------|------------------------------------|-------|------------------------------------|-------|------------------------------------|-------|
| | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 73226: | | | | | | | | | | |
| Ocie----- | Very limited | | Very limited | | Very limited | | Very limited | | Very limited | |
| | ~shrink-swell | 1.00 | ~wetness | 1.00 | ~shrink-swell | 1.00 | ~low strength | 1.00 | ~small stones | 1.00 |
| | (very limited) | | (very limited) | | (very limited) | | (very limited) | | (very limited) | |
| | ~slope | 0.45 | ~shrink-swell | 0.85 | ~slope | 1.00 | ~shrink-swell | 1.00 | ~slope | 0.04 |
| | (moderately limited) | | (limited) | | (very limited) | | (very limited) | | (slightly limited) | |
| | ~wetness | 0.45 | ~slope | 0.45 | | | ~slope | 0.04 | | |
| | (moderately limited) | | (moderately limited) | | | | (slightly limited) | | | |
| Gatewood----- | Very limited | | Very limited | | Very limited | | Very limited | | Very limited | |
| | ~shrink-swell | 1.00 | ~hard bedrock <40" | 1.00 | ~shrink-swell | 1.00 | ~low strength | 1.00 | ~small stones | 1.00 |
| | (very limited) | | (very limited) | | (very limited) | | (very limited) | | (very limited) | |
| | ~depth to bedrock | 0.53 | ~wetness | 1.00 | ~slope | 1.00 | ~shrink-swell | 1.00 | ~depth to bedrock | 0.46 |
| | (moderately limited) | | (very limited) | | (very limited) | | (very limited) | | (moderately limited) | |
| | ~wetness | 0.51 | ~shrink-swell | 1.00 | ~depth to bedrock | 0.53 | ~depth to bedrock | 0.53 | ~droughty | 0.30 |
| | (moderately limited) | | (very limited) | | (moderately limited) | | (moderately limited) | | (moderately limited) | |
| 73227: | | | | | | | | | | |
| Ocie----- | Very limited | | Very limited | | Very limited | | Very limited | | Very limited | |
| | ~shrink-swell | 1.00 | ~slope | 1.00 | ~slope | 1.00 | ~low strength | 1.00 | ~slope | 1.00 |
| | (very limited) | | (very limited) | | (very limited) | | (very limited) | | (very limited) | |
| | ~slope | 1.00 | ~wetness | 1.00 | ~shrink-swell | 1.00 | ~slope | 1.00 | ~small stones | 1.00 |
| | (very limited) | | (very limited) | | (very limited) | | (very limited) | | (very limited) | |
| | ~wetness | 0.45 | ~shrink-swell | 0.85 | | | ~shrink-swell | 1.00 | ~too acid | 0.06 |
| | (moderately limited) | | (limited) | | | | (very limited) | | (slightly limited) | |
| Gatewood----- | Very limited | | Very limited | | Very limited | | Very limited | | Very limited | |
| | ~shrink-swell | 1.00 | ~hard bedrock <40" | 1.00 | ~slope | 1.00 | ~low strength | 1.00 | ~slope | 1.00 |
| | (very limited) | | (very limited) | | (very limited) | | (very limited) | | (very limited) | |
| | ~slope | 1.00 | ~wetness | 1.00 | ~shrink-swell | 1.00 | ~slope | 1.00 | ~small stones | 1.00 |
| | (very limited) | | (very limited) | | (very limited) | | (very limited) | | (very limited) | |
| | ~wetness | 0.51 | ~shrink-swell | 1.00 | ~depth to bedrock | 0.25 | ~shrink-swell | 1.00 | ~wetness | 0.13 |
| | (moderately limited) | | (very limited) | | (slightly limited) | | (very limited) | | (slightly limited) | |

Douglas County, Missouri: Detailed Soil Map Legend

Building Site Development

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| Map symbol and soil name | Dwellings without basements | | Dwellings with basements | | Small commercial buildings | | Local roads and streets | | Lawns and landscaping | |
|--------------------------|--|----------------------------------|---|----------------------------------|--|----------------------------------|---|----------------------------------|---|----------------------------------|
| | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 73228: Gatewood----- | Very limited ~shrink-swell (very limited) ~depth to bedrock (moderately limited) ~wetness (moderately limited) | 1.00 0.53 0.51 | Very limited ~hard bedrock <40" (very limited) ~wetness (very limited) ~shrink-swell (very limited) | 1.00 1.00 1.00 | Very limited ~shrink-swell (very limited) ~slope (very limited) ~depth to bedrock (moderately limited) | 1.00 1.00 0.53 | Very limited ~low strength (very limited) ~shrink-swell (very limited) ~depth to bedrock (moderately limited) | 1.00 1.00 0.53 | Very limited ~small stones (very limited) ~depth to bedrock (moderately limited) ~droughty (moderately limited) | 1.00 0.46 0.30 |
| Moko----- | Very limited ~hard bedrock <20" (very limited) ~large stones (limited) ~slope (moderately limited) | 1.00 0.86 0.45 | Very limited ~hard bedrock <40" (very limited) ~large stones (limited) ~slope (moderately limited) | 1.00 0.86 0.45 | Very limited ~hard bedrock <20" (very limited) ~slope (very limited) ~large stones (limited) | 1.00 1.00 0.86 | Very limited ~hard bedrock <20" (very limited) ~large stones (limited) ~low strength (slightly limited) | 1.00 0.86 0.22 | Very limited ~shallow to bedrock (very limited) ~droughty (very limited) ~large stones (limited) | 1.00 1.00 0.83 |
| 73229: Gatewood----- | Very limited ~shrink-swell (very limited) ~slope (very limited) ~depth to bedrock (moderately limited) | 1.00 1.00 0.53 | Very limited ~hard bedrock <40" (very limited) ~wetness (very limited) ~shrink-swell (very limited) | 1.00 1.00 1.00 | Very limited ~slope (very limited) ~shrink-swell (very limited) ~depth to bedrock (moderately limited) | 1.00 1.00 0.53 | Very limited ~low strength (very limited) ~slope (very limited) ~shrink-swell (very limited) | 1.00 1.00 1.00 | Very limited ~slope (very limited) ~small stones (limited) ~depth to bedrock (moderately limited) | 1.00 0.64 0.46 |
| Moko----- | Very limited ~hard bedrock <20" (very limited) ~slope (very limited) ~large stones (limited) | 1.00 1.00 0.86 | Very limited ~hard bedrock <40" (very limited) ~slope (very limited) ~large stones (limited) | 1.00 1.00 0.86 | Very limited ~hard bedrock <20" (very limited) ~slope (very limited) ~large stones (limited) | 1.00 1.00 0.86 | Very limited ~hard bedrock <20" (very limited) ~slope (very limited) ~large stones (limited) | 1.00 1.00 0.86 | Very limited ~slope (very limited) ~shallow to bedrock (very limited) ~droughty (very limited) | 1.00 1.00 1.00 |

Douglas County, Missouri: Detailed Soil Map Legend

Building Site Development

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| Map symbol and soil name | Dwellings without basements | | Dwellings with basements | | Small commercial buildings | | Local roads and streets | | Lawns and landscaping | |
|--------------------------|--|----------------------|---|----------------------|--|------------------------------|---|------------------------------|--|------------------------------|
| | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 73230: Coulstone----- | Very limited ~slope (very limited) ~large stones (limited) | 1.00 0.88 | Very limited ~slope (very limited) ~large stones (limited) | 1.00 0.88 | Very limited ~slope (very limited) ~large stones (limited) | 1.00 0.88 | Very limited ~slope (very limited) ~large stones (limited) | 1.00 0.88 | Very limited ~slope (very limited) ~droughty (very limited) ~large stones >30% (very limited) | 1.00 1.00 1.00 |
| Bender----- | Very limited ~slope (very limited) ~large stones (limited) ~depth to bedrock (moderately limited) | 1.00 0.71 0.46 | Very limited ~hard bedrock <40" (very limited) ~slope (very limited) ~large stones (limited) | 1.00 1.00 0.71 | Very limited ~slope (very limited) ~large stones (limited) ~depth to bedrock (moderately limited) | 1.00 1.00 0.71 0.46 | Very limited ~slope (very limited) ~large stones (limited) ~depth to bedrock (moderately limited) | 1.00 1.00 0.71 0.46 | Very limited ~slope (very limited) ~droughty (very limited) ~large stones >30% (very limited) | 1.00 1.00 1.00 1.00 |
| Gatewood----- | Very limited ~shrink-swell (very limited) ~slope (very limited) ~depth to bedrock (moderately limited) | 1.00 1.00 0.53 | Very limited ~hard bedrock <40" (very limited) ~wetness (very limited) ~shrink-swell (very limited) | 1.00 1.00 1.00 | Very limited ~slope (very limited) ~shrink-swell (very limited) ~depth to bedrock (moderately limited) | 1.00 1.00 1.00 0.53 | Very limited ~low strength (very limited) ~slope (very limited) ~shrink-swell (very limited) | 1.00 1.00 1.00 1.00 | Very limited ~slope (very limited) ~small stones (very limited) ~depth to bedrock (moderately limited) | 1.00 1.00 1.00 0.46 |
| 73231: Wasola----- | Moderately limited ~wetness (moderately limited) | 0.59 | Very limited ~wetness (very limited) ~shrink-swell (moderately limited) | 1.00 0.53 | Slightly limited ~wetness (slightly limited) ~slope (slightly limited) | 0.28 0.15 | Slightly limited ~wetness (slightly limited) | 0.28 | Very limited ~small stones (very limited) ~wetness (slightly limited) | 1.00 0.28 |

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Building Site Development

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| Map symbol and soil name | Dwellings without basements | | Dwellings with basements | | Small commercial buildings | | Local roads and streets | | Lawns and landscaping | |
|---------------------------|---|--------------|--|----------------------|--|--------------|---|--------------|--|----------------------|
| | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 73236: Scholten----- | Limited ~wetness (limited) | 0.93 | Very limited ~wetness (very limited) ~shrink-swell (slightly limited) | 1.00 0.04 | Limited ~slope (limited) ~wetness (moderately limited) | 0.68 0.56 | Moderately limited ~wetness (moderately limited) | 0.56 | Limited ~small stones (limited) ~droughty (limited) ~wetness (moderately limited) | 0.73 0.70 0.56 |
| Poynor----- | Not limited | | Slightly limited ~shrink-swell (slightly limited) | 0.14 | Moderately limited ~slope (moderately limited) | 0.45 | Not limited | | Very limited ~small stones (very limited) ~too acid (moderately limited) | 1.00 0.42 |
| 73237: Clarksville---- | Moderately limited ~slope (moderately limited) ~large stones (slightly limited) | 0.45 0.29 | Moderately limited ~slope (moderately limited) ~large stones (slightly limited) ~shrink-swell (slightly limited) | 0.45 0.29 0.09 | Very limited ~slope (very limited) ~large stones (slightly limited) | 1.00 0.29 | Slightly limited ~large stones (slightly limited) ~slope (slightly limited) | 0.29 0.04 | Very limited ~small stones (very limited) ~too acid (limited) ~droughty (moderately limited) | 1.00 0.84 0.43 |
| 73242: Fanchon----- | Not limited | | Not limited | | Slightly limited ~slope (slightly limited) | 0.15 | Very limited ~low strength (very limited) | 1.00 | Slightly limited ~too acid (slightly limited) | 0.24 |
| Tonti----- | Limited ~wetness (limited) | 0.88 | Very limited ~wetness (very limited) ~shrink-swell (slightly limited) | 1.00 0.01 | Moderately limited ~wetness (moderately limited) ~slope (slightly limited) | 0.51 0.15 | Moderately limited ~wetness (moderately limited) | 0.51 | Moderately limited ~wetness (moderately limited) ~too acid (slightly limited) | 0.51 0.12 |

Douglas County, Missouri: Detailed Soil Map Legend

Building Site Development

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| Map symbol and soil name | Dwellings without basements | | Dwellings with basements | | Small commercial buildings | | Local roads and streets | | Lawns and landscaping | |
|--------------------------|---|----------------------|---|----------------------|---|--------------|---|--------------|--|----------------------|
| | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 73243: Topazmill----- | Not limited | | Not limited | | Slightly limited ~slope (slightly limited) | 0.15 | Slightly limited ~low strength (slightly limited) | 0.22 | Not limited | |
| 73300: Macedonia----- | Moderately limited ~shrink-swell (moderately limited) | 0.45 | Moderately limited ~shrink-swell (moderately limited) | 0.45 | Moderately limited ~slope (moderately limited) ~shrink-swell (moderately limited) | 0.45 0.45 | Moderately limited ~shrink-swell (moderately limited) | 0.45 | Moderately limited ~small stones (moderately limited) ~too acid (slightly limited) | 0.33 0.30 |
| 73311: Scholten----- | Limited ~wetness (limited) ~slope (limited) | 0.93 0.76 | Very limited ~wetness (very limited) ~slope (limited) ~shrink-swell (slightly limited) | 1.00 0.76 0.04 | Very limited ~slope (very limited) ~wetness (moderately limited) | 1.00 0.56 | Limited ~slope (limited) ~wetness (moderately limited) | 0.63 0.56 | Limited ~small stones (limited) ~droughty (limited) ~slope (limited) | 0.73 0.70 0.63 |
| Bendavis----- | Limited ~slope (limited) ~depth to bedrock (moderately limited) ~wetness (moderately limited) | 0.76 0.59 0.45 | Very limited ~hard bedrock <40" (very limited) ~wetness (very limited) ~slope (limited) | 1.00 1.00 0.76 | Very limited ~slope (very limited) ~depth to bedrock (moderately limited) | 1.00 0.59 | Limited ~slope (limited) ~depth to bedrock (moderately limited) | 0.63 0.59 | Limited ~slope (limited) ~depth to bedrock (moderately limited) ~droughty (moderately limited) | 0.63 0.58 0.45 |
| Poynor----- | Limited ~slope (limited) | 0.76 | Limited ~slope (limited) ~shrink-swell (slightly limited) | 0.76 0.14 | Very limited ~slope (very limited) | 1.00 | Limited ~slope (limited) | 0.63 | Very limited ~small stones (limited) ~slope (limited) ~droughty (moderately limited) | 1.00 0.63 0.57 |

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Building Site Development

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| Map symbol and soil name | Dwellings without basements | | Dwellings with basements | | Small commercial buildings | | Local roads and streets | | Lawns and landscaping | |
|---------------------------|---|--------------|---|--------------|---|--------------|---|--------------|--|----------------------|
| | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 73325: Clarksville---- | Very limited ~slope (very limited) | 1.00 | Very limited ~slope (very limited) | 1.00 | Very limited ~slope (very limited) | 1.00 | Very limited ~slope (very limited) | 1.00 | Very limited ~slope (very limited) ~small stones (very limited) ~too acid (slightly limited) | 1.00 1.00 0.18 |
| 73326: Topazmill----- | Moderately limited ~slope (moderately limited) ~shrink-swell (moderately limited) | 0.60 0.45 | Moderately limited ~slope (moderately limited) ~shrink-swell (moderately limited) | 0.60 0.45 | Very limited ~slope (very limited) ~shrink-swell (moderately limited) | 1.00 0.45 | Moderately limited ~shrink-swell (moderately limited) ~slope (slightly limited) | 0.45 0.16 | Slightly limited ~slope (slightly limited) | 0.16 |
| Coulstone----- | Limited ~large stones (limited) ~slope (moderately limited) | 0.88 0.60 | Limited ~large stones (limited) ~slope (moderately limited) | 0.88 0.60 | Very limited ~slope (very limited) ~large stones (limited) | 1.00 0.88 | Limited ~large stones (limited) ~slope (slightly limited) | 0.88 0.16 | Very limited ~droughty (very limited) ~large stones >30% (very limited) ~small stones (slightly limited) | 1.00 1.00 0.21 |
| 73327: Topazmill----- | Very limited ~slope (very limited) ~shrink-swell (moderately limited) | 1.00 0.45 | Very limited ~slope (very limited) ~shrink-swell (moderately limited) | 1.00 0.45 | Very limited ~slope (very limited) ~shrink-swell (moderately limited) | 1.00 0.45 | Very limited ~slope (very limited) ~shrink-swell (moderately limited) | 1.00 0.45 | Very limited ~slope (very limited) | 1.00 |
| Coulstone----- | Very limited ~slope (very limited) ~large stones (limited) | 1.00 0.88 | Very limited ~slope (very limited) ~large stones (limited) | 1.00 0.88 | Very limited ~slope (very limited) ~large stones (limited) | 1.00 0.88 | Very limited ~slope (very limited) ~large stones (limited) | 1.00 0.88 | Very limited ~slope (very limited) ~droughty (very limited) ~large stones >30% (very limited) | 1.00 1.00 1.00 |

Douglas County, Missouri: Detailed Soil Map Legend

Building Site Development

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| Map symbol and soil name | Dwellings without basements | | Dwellings with basements | | Small commercial buildings | | Local roads and streets | | Lawns and landscaping | |
|--------------------------|--|----------------------|--|----------------------|---|--------------|---|----------------------|---|----------------------|
| | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 73328: Scholten----- | Limited ~wetness (limited) | 0.93 | Very limited ~wetness (very limited) | 1.00 | Limited ~slope (limited) ~wetness (moderately limited) | 0.68 0.56 | Moderately limited ~wetness (moderately limited) | 0.56 | Limited ~droughty (limited) ~small stones (limited) ~wetness (moderately limited) | 0.92 0.73 0.56 |
| Noark----- | Moderately limited ~shrink-swell (moderately limited) | 0.45 | Moderately limited ~shrink-swell (moderately limited) | 0.33 | Limited ~slope (limited) ~shrink-swell (moderately limited) | 0.68 0.45 | Moderately limited ~shrink-swell (moderately limited) | 0.45 | Very limited ~small stones (very limited) ~droughty (slightly limited) ~too acid (slightly limited) | 1.00 0.30 0.06 |
| 73329: Mano----- | Limited ~slope (limited) ~wetness (moderately limited) | 0.76 0.45 | Very limited ~wetness (very limited) ~slope (limited) ~shrink-swell (moderately limited) | 1.00 0.76 0.50 | Very limited ~slope (very limited) | 1.00 | Limited ~slope (limited) | 0.63 | Very limited ~small stones (limited) ~slope (limited) ~too acid (slightly limited) | 1.00 0.63 0.30 |
| Ocie----- | Very limited ~shrink-swell (very limited) ~slope (limited) ~wetness (moderately limited) | 1.00 0.76 0.45 | Very limited ~wetness (very limited) ~slope (limited) ~shrink-swell (limited) | 1.00 0.76 0.71 | Very limited ~shrink-swell (very limited) | 1.00 | Very limited ~low strength (very limited) ~shrink-swell (very limited) ~slope (limited) | 1.00 1.00 0.63 | Very limited ~small stones (very limited) ~slope (limited) | 1.00 0.63 |

Douglas County, Missouri: Detailed Soil Map Legend

Building Site Development

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| Map symbol and soil name | Dwellings without basements | | Dwellings with basements | | Small commercial buildings | | Local roads and streets | | Lawns and landscaping | |
|--------------------------|--|----------------------|--|----------------------|--|----------------------|---|----------------------|---|-------|
| | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 73331: Pomme----- | Limited ~slope (limited) | 0.76 | Limited ~slope (limited) | 0.76 | Very limited ~slope (very limited) | 1.00 | Limited ~slope (limited) | 0.63 | Limited ~slope (limited) | 0.63 |
| 73332: Topazmill----- | Moderately limited ~slope (moderately limited) ~shrink-swell (moderately limited) | 0.60 0.45 | Moderately limited ~slope (moderately limited) ~shrink-swell (moderately limited) | 0.60 0.45 | Very limited ~slope (very limited) ~shrink-swell (moderately limited) | 1.00 0.45 | Moderately limited ~shrink-swell (moderately limited) ~slope (slightly limited) | 0.45 0.16 | Slightly limited ~slope (slightly limited) | 0.16 |
| 74627: Hartville----- | Very limited ~flooding (very limited) ~shrink-swell (very limited) ~wetness (moderately limited) | 1.00 1.00 0.59 | Very limited ~flooding (very limited) ~wetness (very limited) ~shrink-swell (very limited) | 1.00 1.00 1.00 | Very limited ~flooding (very limited) ~shrink-swell (very limited) ~wetness (slightly limited) | 1.00 1.00 0.28 | Very limited ~low strength (very limited) ~shrink-swell (very limited) ~flooding (rare) (limited) | 1.00 1.00 0.90 | Slightly limited ~wetness (slightly limited) | 0.28 |
| 74657: Pomme----- | Not limited | | Not limited | | Moderately limited ~slope (moderately limited) | 0.45 | Not limited | | Not limited | |
| 74682: Zanoni----- | Very limited ~flooding (very limited) | 1.00 | Very limited ~flooding (very limited) | 1.00 | Very limited ~flooding (very limited) | 1.00 | Very limited ~flooding (very limited) | 1.00 | Moderately limited ~flooding (moderately limited) | 0.60 |

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Building Site Development

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| Map symbol and soil name | Dwellings without basements | | Dwellings with basements | | Small commercial buildings | | Local roads and streets | | Lawns and landscaping | |
|---------------------------|---|-------|---|-------|---|-------|--|------------------|--|------------------------------|
| | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 74683: Cedargap----- | Very limited ~flooding (very limited) | 1.00 | Very limited ~flooding (very limited) | 1.00 | Very limited ~flooding (very limited) | 1.00 | Very limited ~flooding (very limited) | 1.00 | Very limited ~flooding (very limited) ~small stones (limited) ~droughty (slightly limited) | 1.00 0.64 0.17 |
| Razort----- | Very limited ~flooding (very limited) | 1.00 | Very limited ~flooding (very limited) | 1.00 | Very limited ~flooding (very limited) | 1.00 | Limited ~flooding (rare) (limited) | 0.90 | Not limited | |
| 75381: Bearthicket---- | Very limited ~flooding (very limited) | 1.00 | Very limited ~flooding (very limited) | 1.00 | Very limited ~flooding (very limited) | 1.00 | Very limited ~low strength (very limited) ~flooding (rare) (limited) | 1.00 0.90 | Not limited | |
| 75382: Cedargap----- | Very limited ~flooding (very limited) | 1.00 | Very limited ~flooding (very limited) ~wetness (slightly limited) | 0.16 | Very limited ~flooding (very limited) | 1.00 | Very limited ~flooding (very limited) | 1.00 | Very limited ~flooding (very limited) ~small stones (moderately limited) | 1.00 0.48 |
| 75390: Razort----- | Very limited ~flooding (very limited) | 1.00 | Very limited ~flooding (very limited) | 1.00 | Very limited ~flooding (very limited) | 1.00 | Limited ~flooding (rare) (limited) | 0.90 | Not limited | |

Douglas County, Missouri: Detailed Soil Map Legend

Building Site Development

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.00 to 1.00. The larger the value, the greater the potential limitation. See text for further explanation of ratings in this table.)

| Map symbol and soil name | Dwellings without basements | | Dwellings with basements | | Small commercial buildings | | Local roads and streets | | Lawns and landscaping | |
|---------------------------|--|--------------|--|----------------------|--|--------------|--|----------------------|---|----------------------|
| | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 75406: Racket----- | Very limited ~flooding (very limited) ~shrink-swell (moderately limited) | 1.00 0.45 | Very limited ~flooding (very limited) ~shrink-swell (slightly limited) ~wetness (slightly limited) | 1.00 0.20 0.16 | Very limited ~flooding (very limited) ~shrink-swell (moderately limited) | 1.00 0.45 | Very limited ~flooding (very limited) ~low strength (limited) ~shrink-swell (moderately limited) | 1.00 0.78 0.45 | Very limited ~flooding (very limited) | 1.00 |
| 75417: Relfe----- | Very limited ~flooding (very limited) | 1.00 | Very limited ~flooding (very limited) | 1.00 | Very limited ~flooding (very limited) | 1.00 | Very limited ~flooding (very limited) | 1.00 | Very limited ~flooding (very limited) ~droughty (very limited) ~small stones (very limited) | 1.00 1.00 1.00 |
| Sandbur----- | Very limited ~flooding (very limited) | 1.00 | Very limited ~flooding (very limited) | 1.00 | Very limited ~flooding (very limited) | 1.00 | Very limited ~flooding (very limited) | 1.00 | Very limited ~flooding (very limited) | 1.00 |
| 99001: Water----- | Not rated | | Not rated | | Not rated | | Not rated | | Not rated | |
| 99002: Borrow areas--- | Not rated | | Not rated | | Not rated | | Not rated | | Not rated | |